

**MVC (Model-View-Controller) BASED MULTI-MODAL
AUTHORING TOOL AND DEVELOPMENT ENVIRONMENT**

ABSTRACT OF THE DISCLOSURE

Application development tools and method for building multi-channel,
5 multi-device and multi-modal applications, and in particular, to systems and methods for
developing applications whereby a user can interact in parallel with the same information
via a multiplicity of channels and user interfaces, while a unified, synchronized views of
the information are presented across the various channels or devices deployed by the user
to interact with the information. In a preferred embodiment, application frameworks and
10 development tools are preferably based on a MVC (Model-View-Controller) design
paradigm that is adapted to provide synchronized multi-modal interactions.
Multi-channel authoring can be developed using a similar methodology.